## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 6 (Cancelled)
- 7. (Original) A compound selected from the group consisting of:
- ethyl trans-4-[[2-[(4-aminocyclohexyl)amino]-1H-purin-6-yl]amino]benzoate dihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-(2-aminoethyl)-1H-purine-2,6-diamine trihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-propyl-1H-purine-2,6-diamine dihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-(phenylmethyl)-1H-purine-2,6-diamine dihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-(4-methoxyphenyl)-1H-purine-2,6-diamine dihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-[4-(trifluoromethoxy)phenyl]-1H-purine-2,6-diamine dihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-[1-(phenylmethyl)-4-piperidinyl]-1H-purine-2,6-diamine trihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-[2-[(phenylmethyl)amino]ethyl]-1H-purine-2,6-diamine trihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-[(3,4-dimethoxyphenyl)methyl]-1H-purine-2,6-diamine:
- trans-N2-(4-aminocyclohexyl)-1H-purine-2,6-diamine dihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-[4-phenyl]-1H-purine-2,6-diamine dihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-(4-fluorophenylmethyl)-1H-purine-2,6-diamine;
- trans-N2-(4-aminocyclohexyl)-N6-[1-(ethoxycarbonyl)-4-piperidinyl]-1H7-purine-2,6-diamine;
- ethyl trans-3-[[2-[(4-aminocyclohexyl)amino]-9H-purin-6-yl]amino]benzoate;
- trans-N2-(4-aminocyclohexyl)-N6-(4-chlorophenyl)-9H-purine-2,6-diamine;
- trans-N2-(4-aminocyclohexyl)-N6-(3,4-dichlorophenyl)-9H-purine-2,6-diamine;
- butyl trans-4-[[2-[(4-aminocyclohexyl)amino]-9H-purin-6-yl]amino]benzoate;

Response dated August 9, 2005
Reply to Office action mailed May 6, 2005

- 2-(diethylamino)ethyl trans-4-[[2-[(4-aminocyclohexyl)amino]-9H-purin-6-yl]amino]benzoate;
- trans-4-[[2-[(4-aminocyclohexyl)amino]-9H-purin-6-yl]amino]-N-phenylbenzamide;
- trans-N2-(4-aminocyclohexyl)-N6-[4-(dimethylamino)phenyl]-9H-purine-2,6-diamine;
- trans-4-[[2-[(4-aminocyclohexyl)amino]-9H-purin-6-yl]amino]benzaldehyde;
- trans-4-[[2-[(4-aminocyclohexyl)amino]-9H-purin-6-yl]amino]benzamide;
- ethyl 4-[[2-[[4-(ethoxycarbonyl)phenyl]amino]-9H-purin-6-yl]amino]benzoate;
- ethyl 4-[[2-[(3-nitrophenyl)amino]-9H-purin-6-yl]amino]benzoate;
- ethyl 4-[[2-[(3-aminophenyl)amino]-9H-purin-6-yl]amino]benzoate;
- ethyl 4-[[2-[[(4-dimethylamino)phenyl]amino]-9H-purin-6-yl]amino]benzoate;
- ethyl 4-[[2-(cyclohexylamino)-9H-purin-6-yl]amino]benzoate; and;
- ethyl 4-[[2-[[3-(ethoxycarbonyl)phenyl]amino]-9H-purin-6-yl]amino]benzoate.
- 8. (Original) A compound of claim 7 selected from the group consisting of
- ethyl trans-4-[[2-[(4-aminocyclohexyl)amino]-1H-purin-6-yl]amino]benzoate dihydrochloride;
- trans-N2-(4-aminocyclohexyl)-N6-[4-phenyl]-1H-purine-2,6-diamine dihydrochloride;
- ethyl trans-3-[[2-[(4-aminocyclohexyl)amino]-9H-purin-6-yl]amino]benzoate;
- trans-N2-(4-aminocyclohexyl)-N6-(3,4-dichlorophenyl)-9H-purine-2,6-diamine;
- butyl trans-4-[[2-[(4-aminocyclohexyl)amino]-9H-purin-6-yl]amino]benzoate;
- 2-(diethylamino)ethyl trans-4-[[2-[(4-aminocyclohexyl)amino]-9H-purin-6-yl]amino]benzoate; and;
- trans-4-[[2-[(4-aminocyclohexyl)amino]-9H-purin-6-yl]amino]-N-phenylbenzamide.
- 9-15 (Cancelled)
- 16. (Currently amended) An intermediate compound useful for the production of compounds of formula (I) as defined in claim 1, said intermediate being selected from the group consisting of the compounds of formulae (IX), (X), (XII), (XIII), M<sub>1</sub>, M<sub>2</sub> and M<sub>3</sub>.

Response dated August 9, 2005 Reply to Office action mailed May 6, 2005

in which R<sub>1</sub>' is selected from hydrogen, aryl, -CH<sub>2</sub>-aryl, heterocyclic, -CH<sub>2</sub>-heterocyclic, alkyl, and -SO<sub>2</sub>-alkyl;

$$\begin{array}{c|c} & \text{NH-(CH}_2)_2\text{-NH-SO}_2\text{-R}_1' \\ & & \text{NH-(CH}_2)_2\text{-NH-SO}_2 \\ & & \text{N$$

in which R<sub>1</sub>' is selected from hydrogen, aryl, -CH<sub>2</sub>-aryl, heterocyclic, -CH<sub>2</sub>-heterocyclic, alkyl, and -SO<sub>2</sub>-alkyl;

NH-
$$(CH_2)_2$$
-NH- $CH_2$ - $R_7$ 

N

(XIII)

in which R7 is selected from aryl, heterocyclic and alkyl;

Response dated August 9, 2005 Reply to Office action mailed May 6, 2005

in which R'<sub>1</sub> is selected from hydrogen, aryl, -CH<sub>2</sub>-aryl, heterocyclic, -CH<sub>2</sub>-heterocyclic, alkyl, and -SO<sub>2</sub>-alkyl;

in which R<sub>1</sub>' is selected from hydrogen, aryl, -CH<sub>2</sub>-aryl, heterocyclic, -CH<sub>2</sub>-heterocyclic, alkyl, and -SO<sub>2</sub>-alkyl; and

in which  $R_1$ ' is selected from hydrogen, aryl, -CH<sub>2</sub>-aryl, heterocyclic, -CH<sub>2</sub>-heterocyclic, alkyl, and -SO<sub>2</sub>-alkyl.